WO 2005/059171 PCT/EP2004/013398

## SEQUENCE LISTING

```
<110> Nanogen Recognomics GmbH
<120> Use of a mutation in the BRAF gene for the
      determination of the malignancy of melanoma cells
<130> 202nr05.de
<140>
<141>
<160> 7
<170> PatentIn Ver. 2.1
<210> 1
<211> 119
<212> DNA
<213> Homo sapiens
<400> 1
atatatttct tcatgaagac ctcacagtaa aaataggtga ttttggtcta gctacagtga 60
aatctcgatg gagtgggtcc catcagtttg aacagttgtc tggatccatt ttgtggatg 119
<210> 2
<211> 2510
<212> DNA
<213> Homo sapiens
<400> 2
cgcctcccgg cccctcccc gcccgacagc ggccgctcgg gccccggctc tcggttataa 60
gatggcggcg ctgagcggtg gcggtggtgg cggcgcggag ccgggccagg ctctgttcaa 120
cggggacatg gagcccgagg ccggcccgg ccggcccgcg gcctcttcgg ctgcggaccc 180
tgccattccg gaggaggtgt ggaatatcaa acaaatgatt aagttgacac aggaacatat 240
agaggcccta ttggacaaat ttggtgggga gcataatcca ccatcaatat atctggaggc 300
ctatgaagaa tacaccagca agctagatgc actccaacaa agagaacaac agttattgga 360
```

atctctgggg	aacggaactg	atttttctgt	ttctagctct	gcatcaatgg	ataccgttac	420
atcttcttcc	tcttctagcc	tttcagtgct	accttcatct	ctttcagttt	ttcaaaatcc	480
cacagatgtg	gcacggagca	accccaagtc	accacaaaaa	cctatcgtta	gagtcttcct	540
gcccaacaaa	cagaggacag	tggtacctgc	aaggtgtgga	gttacagtcc	gagacagtct	600
aaagaaagca	ctgatgatga	gaggtctaat	cccagagtgc	tgtgctgttt	acagaattca	660
ggatggagag	aagaaaccaa	ttggttggga	cactgatatt	tcctggctta	ctggagaaga	720
attgcatgtg	gaagtgttgg	agaatgttcc	acttacaaca	cacaactttg	tacgaaaaac	780
gtttttcacc	ttagcatttt	ġtgacttttg	tcgaaagctg	cttttccagg	gtttccgctg	840
tcaaacatgt	ggttataaat	ttcaccagcg	ttgtagtaca	gaagttccac	tgatgtgtgt	900
taattatgac	caacttgatt	tgctgtttgt	ctccaagttc	tttgaacacc	acccaatacc	960
acaggaagag	gcgtccttag	cagagactgc	cctaacatct	ggatcatccc	cttccgcacc	1020
cgcctcggac	tctattgggc	cccaaattct	caccagtccg	tctccttcaa	aatccattcc	1080
aattccacag	cccttccgac	cagcagatga	agatcatcga	aatcaatttg	ggcaacgaga	1140
ccgatcctca	tcagctccca	atgtgcatat	aaacacaata	gaacctgtca	atattgatga	1200
cttgattaga	gaccaaggat	ttcgtggtga	tggaggatca	accacaggtt	tgtctgctac	1260
ccccctgcc	tcattacctg	gctcactaac	taacgtgaaa	gccttacaga	aatctccagg	1320
acctcagcga	gaaaggaagt	catcttcatc	ctcagaagac	aggaatcgaa	tgaaaacact	1380
tggtagacgg	gactcgagtg	atgattggga	gattcctgat	gggcagatta	cagtgggaca	1440
aagaattgga	tctggatcat	ttggaacagt	ctacaaggga	aagtggcatg	gtgatgtggc	1500
agtgaaaatg	ttgaatgtga	cagcacctac	acctcagcag	ttacaagcct	tcaaaaatga	1560
agtaggagta	ctcaggaaaa	cacgacatgt	gaatatccta	ctcttcatgg	gctattccac	1620
aaagccacaa	ctggctattg	ttacccagtg	gtgtgagggc	tccagcttgt	atcaccatct	1680
ccatatcatt	gagaccaaat	ttgagatgat	caaacttata	gatattgcac	gacagactgc	1740
acagggcatg	gattacttac	acgccaagtc	aatcatccac	agagacctca	agagtaataa	1800
tatatttctt	catgaagacc	tcacagtaaa	aataggtgat	tttggtctag	ctacagtgaa	1860
					tgtggatggc	
					atgtatatgc	
					acatcaacaa	
					tcagtaaggt	
					aaaagaaaag	
					cccgctcatt	
					tccaaacaga	
					ggggatatgg	
				•	caacaaaagg	
					tctttttt	
taaggtggaa	aaaaaaaaaa	aaaaaaaaa	aaaaaaaaa	aaaaaaaccc	1	2510

WO 2005/059171 PCT/EP2004/013398

```
<211> 20
<212> DNA
<213> Artificial Sequence
<220>
<223> Description of Artificial Sequence: primer
<400> 3
                                                                   20
tagcctcaat tcttaccatc
<210> 4
<211> 21
<212> DNA
<213> Artificial Sequence
<220>
<223> Description of Artificial Sequence: primer
<400> 4
cataatgctt gctctgatag g
                                                                   21
<210> 5
<211> 13
<212> DNA
<213> Artificial Sequence
<220>
<223> Description of Artificial Sequence: reporter wt
<400> 5
catcgagatt tca
                                                                   13
<210> 6
<211> 13
<212> DNA
<213> Artificial Sequence
```

WO 2005/059171 PCT/EP2004/013398

31

ctgtagctag accaaaatca cctatttta c